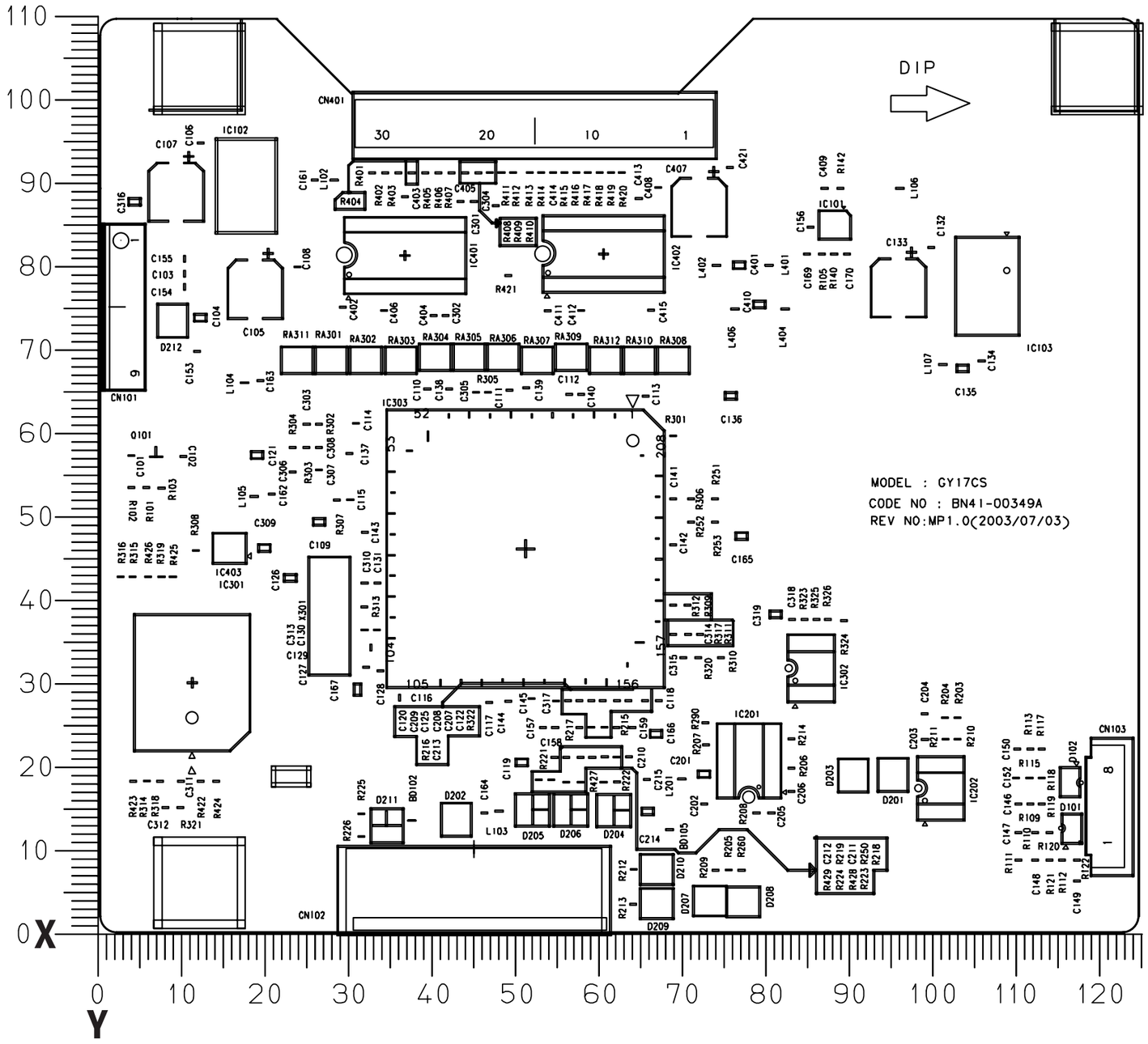
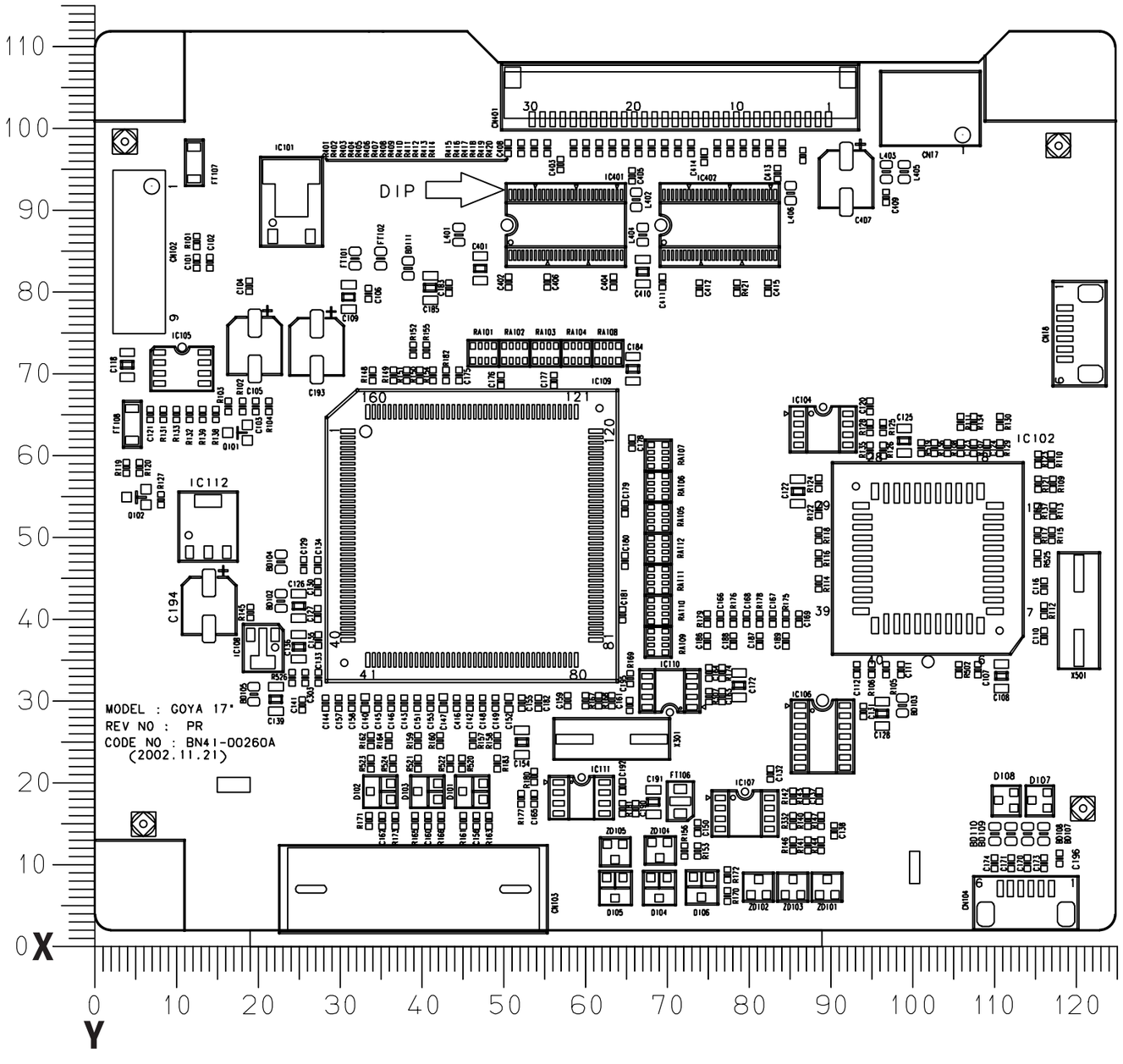
10 PCB Layout

10-1 GY17CS* PCB Layout



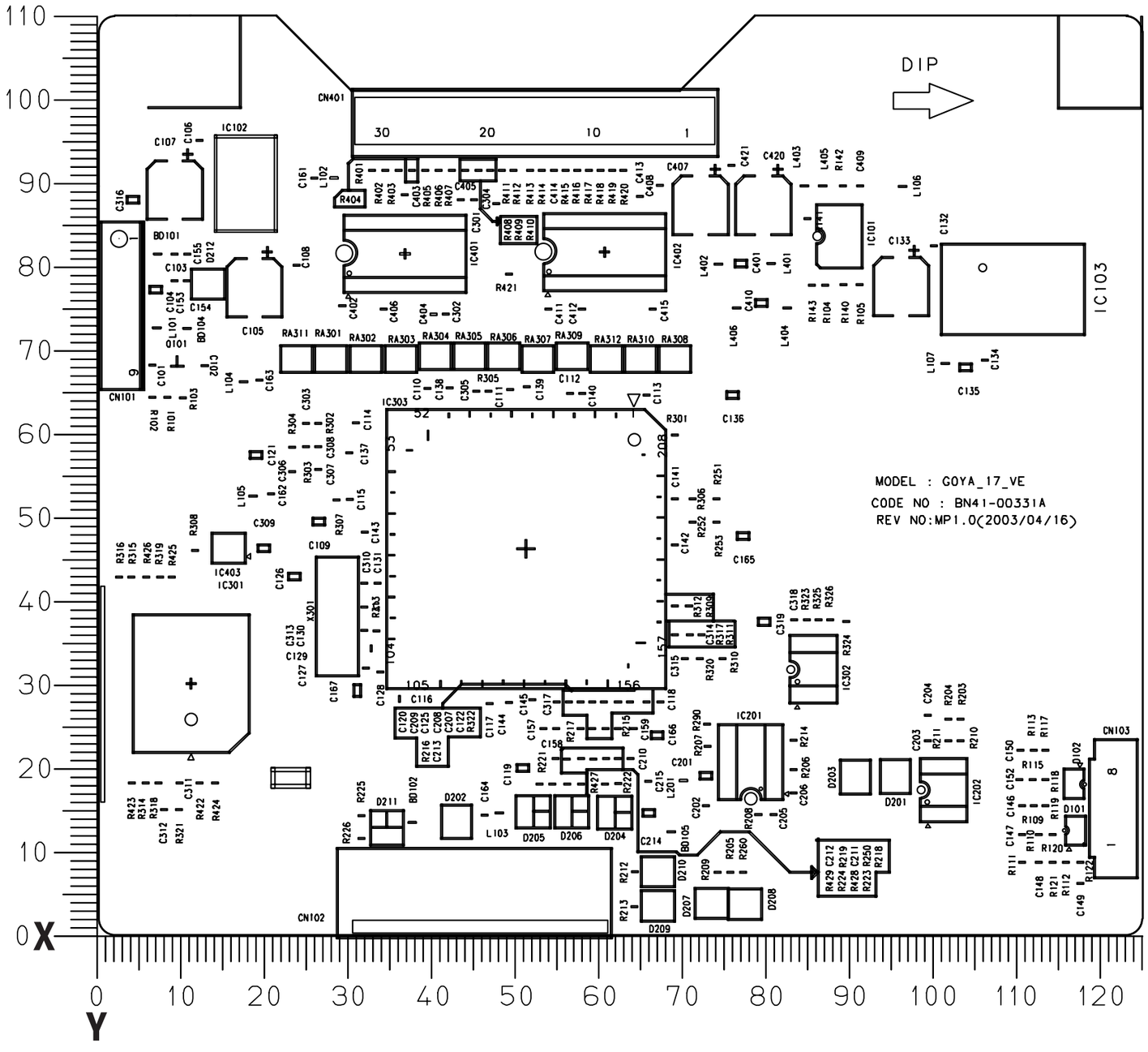
Loc. No.	Description	X	Y
DIODE			
D101	DIODE-ZENER	116.85	12.51
D102	DIODE-ZENER	116.85	18.11
D201	DIODE-ZENER	95.41	18.97
D202	DIODE-ZENER	42.89	13.58
D203	DIODE-ZENER	90.64	18.91
D204	DIODE-SWITCHING	61.86	14.72
D205	DIODE-SWITCHING	52.10	14.80
D206	DIODE-SWITCHING	56.70	14.80
D207	DIODE-ZENER	73.40	3.80
D208	DIODE-ZENER	77.40	3.70
D209	DIODE-ZENER	67.00	3.50
D210	DIODE-ZENER	67.00	7.60
D211	DIODE-SWITCHING	34.49	12.88
D212	DIODE-ZENER	8.75	73.65
IC			
IC101	FET-SILICON	88.40	85.20
IC102	IC-VOLTAGE REGULATOR	17.62	89.83
IC103	IC-POSI.FIXED REG.	106.80	77.90
IC201	IC-TTL	78.10	20.70
IC202	IC-EEPROM	101.20	17.35
IC301	IC-FLASH MEMORY	11.09	30.09
IC302	IC-EEPROM	85.60	31.80
IC303	IC-LCD CONTROLLER	51.20	46.20
IC401	IC-TRANSMITTER	36.70	81.50
IC402	IC-TRANSMITTER	60.60	81.70
IC403	IC-VOL. DETECTOR	15.58	46.27
TRANSISTOR			
Q101	TR-SMALL SIGNAL	6.72	57.27

10-2-1 GY17VS* Main 1 PCB Layout



Loc. No.	Code No.	Description	Specification	Hor.	Ver.
DIODE					
D101	0401-001056	DIODE-SWITCHING	MMBD4148SE,75V,600mA,SOT-23,TP	46.3	17
D102	0401-001056	DIODE-SWITCHING	MMBD4148SE,75V,600mA,SOT-23,TP	35	17
D103	0401-001056	DIODE-SWITCHING	MMBD4148SE,75V,600mA,SOT-23,TP	40.8	17
D104	0401-001056	DIODE-SWITCHING	MMBD4148SE,75V,600mA,SOT-23,TP	69.1	5.2
D105	0401-001056	DIODE-SWITCHING	MMBD4148SE,75V,600mA,SOT-23,TP	63.7	5.2
D106	0401-001056	DIODE-SWITCHING	MMBD4148SE,75V,600mA,SOT-23,TP	74.3	5.3
D107	0403-000579	DIODE-ZENER	BZX84C5V1,5.1V,5%,200mW,SOT-23	115.7	15.9
D108	0403-000579	DIODE-ZENER	BZX84C5V1,5.1V,5%,200mW,SOT-23	111.6	15.9
ZD104	0403-000579	DIODE-ZENER	BZX84C5V1,5.1V,5%,200mW,SOT-23	69.2	9.8
ZD105	0403-000579	DIODE-ZENER	BZX84C5V1,5.1V,5%,200mW,SOT-23	63.7	9.6
IC					
IC101	1203-001293	IC-POSI.FIXED REG.	033,TO-252,3P,6.5MIL,PLASTIC,3	24.1	89.4
IC102	0903-001266	IC-MICROCONTROLLER	NT68F63,8BIT,PLCC,44P,653MIL,1	102	45.5
IC104	1103-001023	IC-EPROM	24C08,1028x8BIT,SOP,8P,150MIL,	89.2	61.3
IC105	0505-001170	FET-SILICON	SI9933ADY-T1,P,-20V,3.4A,0.075	10.7	68.8
IC106	0803-000117	IC-TTL	74F14,INVERTER,SOP,14P,150MIL,	89.1	23.7
IC108	1203-001538	IC-POSI.ADJUST REG.	431,SOT-89,3P,-,PLASTIC,2.47/3	20.6	34.6
IC109	TMP-MVP2	IC,160P,SMD	MASCOTVP2,160P	46.2	48.3
IC110	TMP-P2781	IC	P2781,8P,1.27MM	70.4	29.2
IC112	1203-000490	IC-SWITCH VOL. REG.	1117,SOT-223,3P,-,PLASTIC,3.23	13.9	49.4
IC401	1205-001740	IC-TRANSMITTER	DS90C385,TSSOP,56P,240MIL,PLAS	57.7	86.3
IC402	1205-001740	IC-TRANSMITTER	DS90C385,TSSOP,56P,240MIL,PLAS	76.5	86.3
TRANSISTOR					
Q101	0501-000342	TR-SMALL SIGNAL	KSC1623-Y,NPN,200mW,SOT-23,TP,	17.5	60.9
Q102	0501-002080	TR-SMALL SIGNAL	2SC2412K,NPN,200mW,SOT-23,TP,1	5.1	53

10-2-2 GY17VS* Main 2 PCB Layout



Loc. No.	Description	X	Y
DIODE			
D101	DIODE-ZENER	116.85	12.51
D102	DIODE-ZENER	116.85	18.11
D201	DIODE-ZENER	95.41	18.97
D202	DIODE-ZENER	42.89	13.58
D203	DIODE-ZENER	90.64	18.91
D204	DIODE-SWITCHING	61.86	14.72
D205	DIODE-SWITCHING	52.10	14.80
D206	DIODE-SWITCHING	56.70	14.80
D207	DIODE-ZENER	73.40	3.80
D208	DIODE-ZENER	77.40	3.70
D209	DIODE-ZENER	67.00	3.50
D210	DIODE-ZENER	67.00	7.60
D211	DIODE-SWITCHING	34.49	12.88
D212	DIODE-ZENER	13.14	77.90
IC			
IC101	FET-SILICON	88.60	83.60
IC102	IC-VOLTAGE REGULATOR	17.62	89.83
IC103	IC-POSI.FIXED REG.	110.14	77.26
IC201	IC-TTL	78.10	20.70
IC202	IC-EEPROM	101.20	17.35
IC301	IC-FLASH MEMORY	11.09	30.09
IC302	IC-EEPROM	85.60	31.80
IC303	IC-MICRO_PROCESSOR	51.20	46.20
IC401	IC-TRANSMITTER	36.70	81.50
IC402	IC-TRANSMITTER	60.60	81.70
IC403	IC-VOL. DETECTOR	15.58	46.27
TRANSISTOR			
Q101	TR-SMALL SIGNAL	9.43	68.07

Memo